CLAIMS

What is claimed is:

1. A computer-implemented method for downloading a radio configuration (R-CFG) file onto a software defined radio (SDR) device from a server comprising:

forming a secure connection between the SDR device and the server;

sending a message that requests the R-CFG to be downloaded over the network from the server to the SDR device;

downloading the R-CFG from the server to the SDR; and

using a device manager on the SDR device to determine whether the R-CFG is compatible with the SDR device.

2. The computer-implemented method of claim 1, wherein the R-CFG is compatible with the SDR device provided that the R-CFG controls at least one radio frequency parameter solely within a permitted level established by a regulatory agency.

3. The computer-implemented method of claim 1, wherein the R-CFG is compatible with the SDR device provided that the R-CFG is configured to execute on a particular type of SDR device.

4. The computer-implemented method of claim 1, wherein a jurisdiction identifier is transmitted with the message.

5. The computer-implemented method of claim 4, wherein the jurisdiction identifier can be modified by a user of the SDR device.

6. A method for downloading a R-CFG file onto a SDR device from a server comprising:

forming a secure connection between the SDR device and the server;

receiving a message that requests the R-CFG to be downloaded to the SDR device;

determining a type of SDR device to receive the R-CFG from the request message;

making a determination whether the R-CFG file is configured to control a plurality of radio frequency parameters solely within permitted levels established by a regulatory agency; and

uploading the R-CFG from the server to the SDR based on the determination.

7. A method for downloading a radio configuration (R-CFG) file onto a software defined radio (SDR) device from a server comprising:

forming a secure connection between the SDR device and the server;

receiving a message that requests the R-CFG to be downloaded to the SDR device;

determining a type of SDR device to receive the R-CFG from the request message;

making a determination whether the R-CFG file is compatible with the SDR device; and

uploading the R-CFG from the server to the SDR based on the determination.

8. The computer-implemented method of claim 7, wherein the R-CFG is compatible with the SDR device provided that the R-CFG is configured to execute on a particular type of SDR device.

9. The computer-implemented method of claim 7, wherein a jurisdiction identifier is transmitted with the message.

10. The computer-implemented method of claim 7, wherein the jurisdiction identifier can be modified by a user of the SDR device.

11. An apparatus comprising:

storage media including instructions stored thereon which when executed cause a computer system to perform a method including:

forming a secure connection between the SDR device and a server of the computer system;

receiving a message that requests the R-CFG to be downloaded to the SDR device;

determining a type of SDR device to receive the R-CFG from the request message;

making a determination whether the R-CFG file is compatible with the SDR device; and

uploading the R-CFG from the server to the SDR based on the determination.

12. The apparatus of claim 11, wherein the R-CFG is compatible with the SDR device provided that the R-CFG is configured to execute on a particular type of SDR device.

13. The apparatus of claim 11, wherein a jurisdiction identifier is transmitted with the message.

14. The computer-implemented method of claim 11, wherein the jurisdiction identifier can be modified by a user of the SDR device.